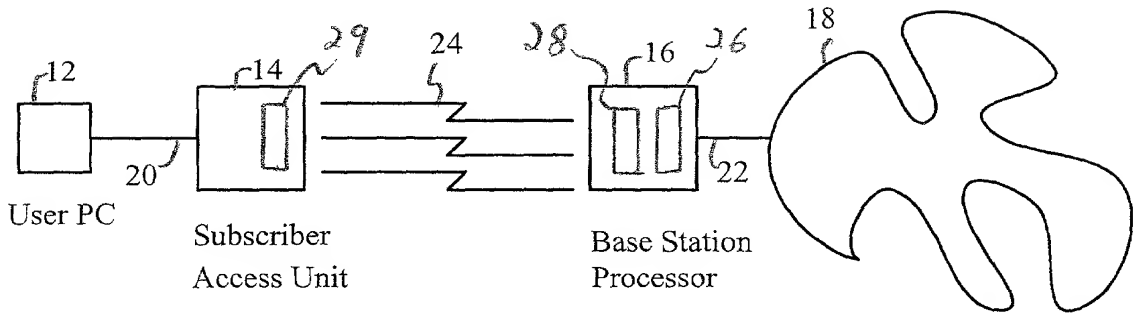


Fig. 1

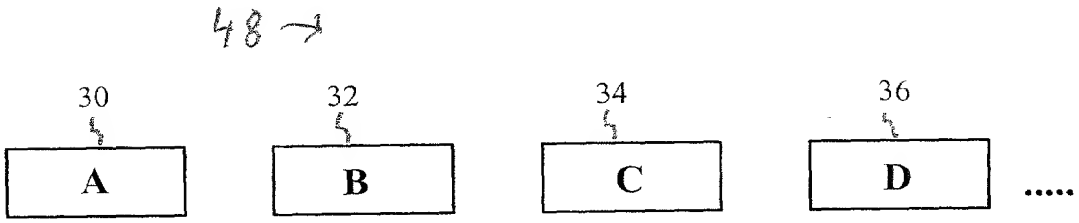


Fig. 2a
Prior Art

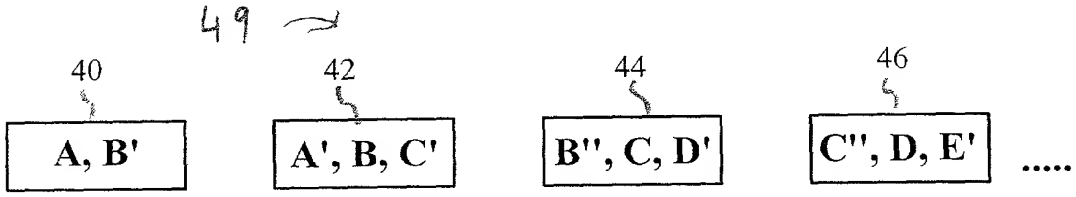


Fig. 2b

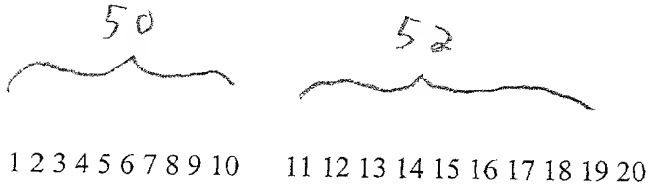


Fig. 3a

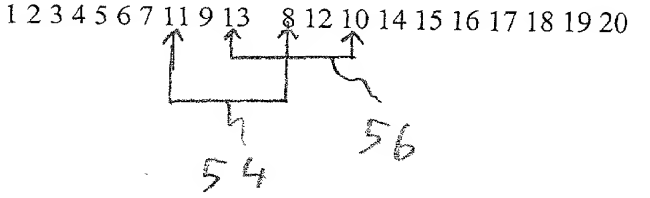


Fig. 3b

	Original Packets:				
64 →	Packet 1:	Packet 2:	Packet 3:	Packet 4:	Packet 5:
	STUVWXYZ	01234567	89ABCDEF	GHIJKLMN	OPQRSTUV
	Sent Packets:				
66 →	Packet 1:	Packet 2:	Packet 3:	Packet 4:	Packet 5:
	?T?V0X2Z	W1Y385A7	496BGDIF	CHEJOLQN	KPMR?T?V
	(Where "?" are codewords from other adjacent packets				
	Now if packet 3 is lost the packets would be:				
	Received Packets:				
68 →	Packet 1:	Packet 2:	Packet 3:	Packet 4:	Packet 5:
	STUVWXYZ	0123.5.7	8.A.C.E.	.H.JKLMN	OPQRSTUV
	(Where "." are lost codewords).				

Fig. 4

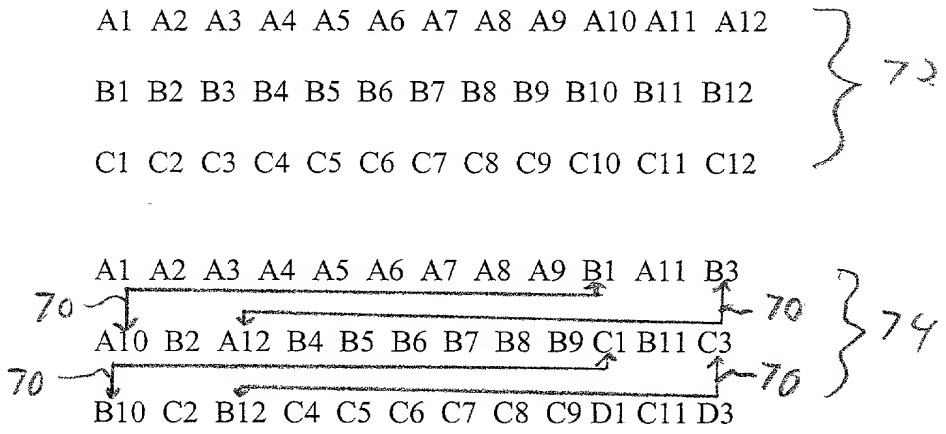


Fig. 5a

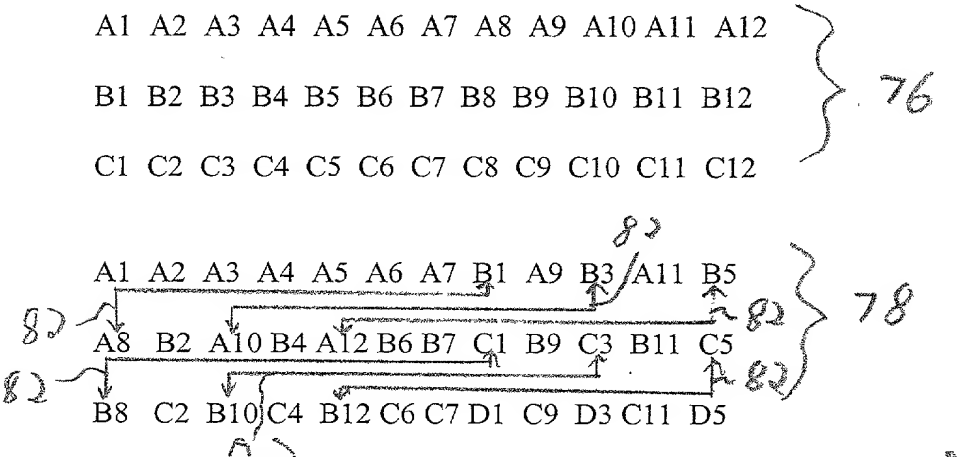


Fig. 5b

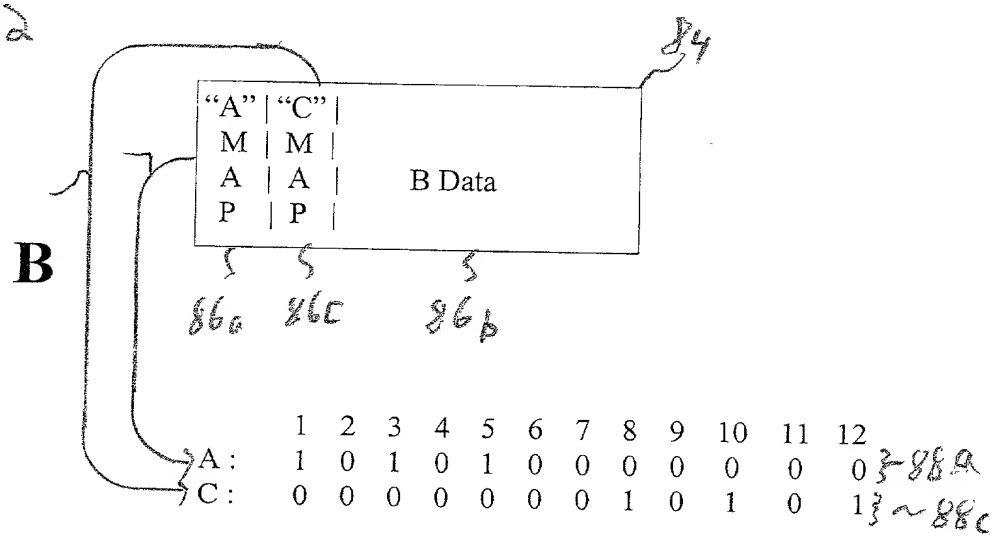


Fig. 6

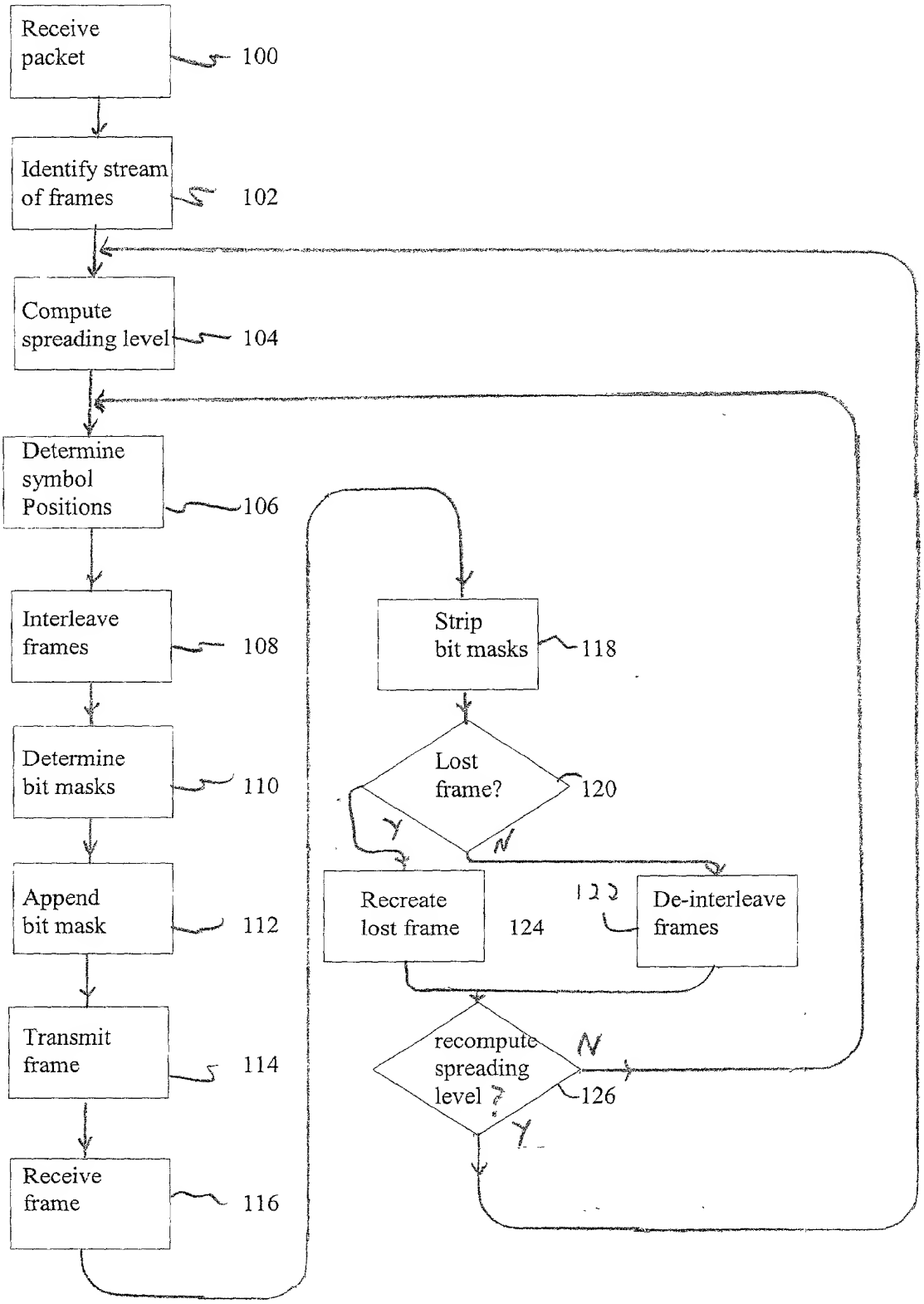

Receive packet
100
Identify stream of frames
102
Compute spreading level
104
Determine symbol Positions
106
Interleave frames
108
Determine bit masks
110
Append bit mask
112
Transmit frame
114
Receive frame
116
Strip bit masks
118
Lost frame?
120
Y
N
Recreate lost frame
124
122
De-interleave frames
recompute spreading level ?
126
N
Y

Fig. 7

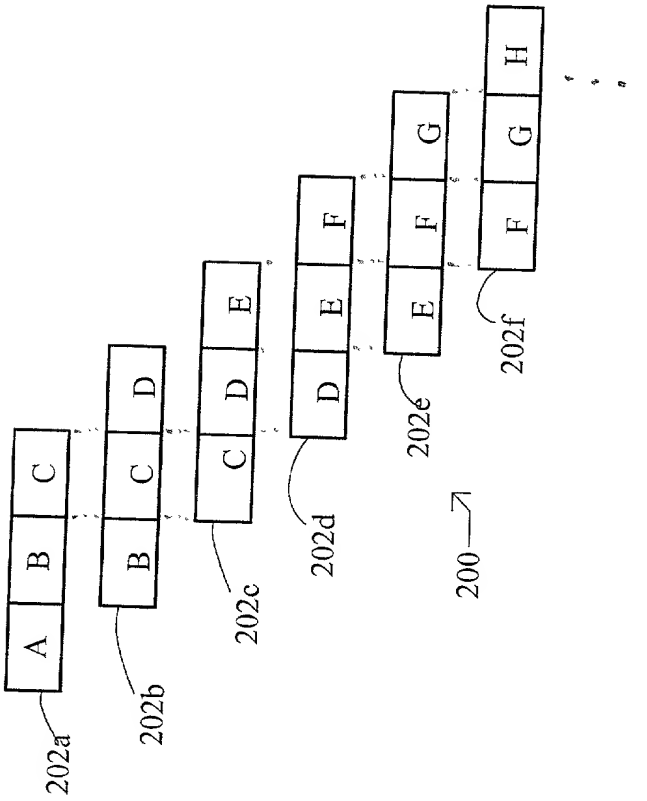
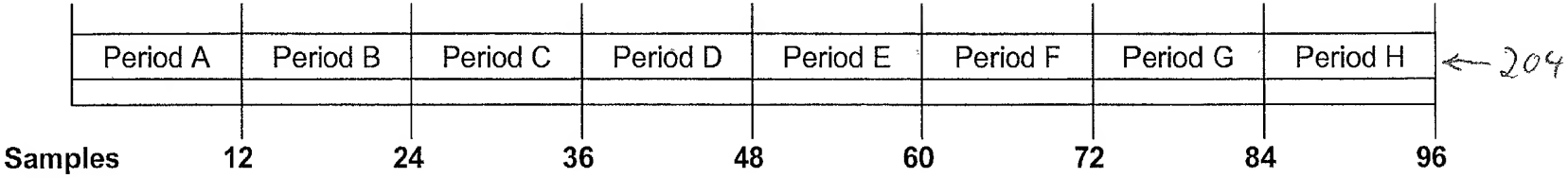


Fig. 8a

- **Assume audio sampling with 12 samples per period (N = 12)**



- **Assume spreading over 3 frames (M = 3)**
- **Therefore each frame holds N/M = 12/3 = 4 samples from each sample period**

Fig. 8b

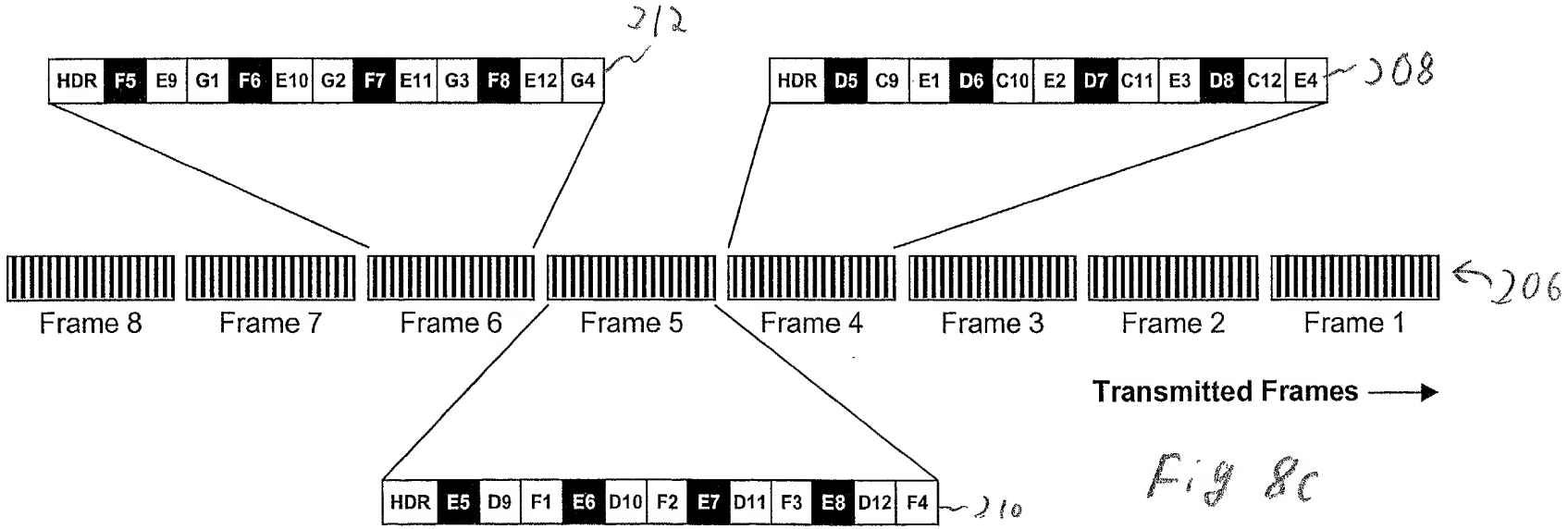


Fig 8c